

### IN THE CLAIMS

Please amend the following claims:

16. (Amended) An isolated nucleic acid sequence selected from the group consisting of:

- C<sup>2</sup>
- (a) the nucleotide sequence of SEQ ID NO: 2 encoding a protein having piperidine-6-carboxylic acid dehydrogenase activity, or a complementary strand thereof;
  - (b) a nucleotide sequence encoding a protein having the amino acid sequence of SEQ ID NO: 10 which has piperidine-6-carboxylic acid dehydrogenase activity, or a complementary strand thereof;
  - (c) a nucleotide sequence consisting of nucleotides 2855 to 4387 of SEQ ID NO: 2 encoding a protein having piperidine-6-carboxylic acid dehydrogenase activity, or a complementary strand thereof;
  - (d) a nucleotide sequence consisting of nucleotides 2077 to 4578 of SEQ ID NO: 2 encoding a protein having piperidine-6-carboxylic acid dehydrogenase activity, or a complementary strand thereof;
  - (e) a nucleotide sequence which has at least 70% homology with the nucleotide sequence of (c) encoding a protein having piperidine-6-carboxylic acid dehydrogenase activity, or a complementary strand thereof;
  - (f) a fragment of nucleotide sequence (a) or (b) encoding a protein having piperidine-6-carboxylic acid dehydrogenase activity, or a complementary strand thereof; and
  - (g) a nucleotide sequence which hybridizes under stringent conditions to sequence (a), (b), (c), (d), (e) or (f).

C<sup>3</sup>

18. (Amended) The isolated nucleotide sequence according to claim 16, which is the nucleotide sequence encoding a protein having the amino acid sequence of SEQ ID NO: 10 which has piperidine-6-carboxylic acid dehydrogenase activity, or a complementary strand thereof.

### IN THE SEQUENCE LISTING

Please replace the Sequence Listing of record with the attached substitute Sequence Listing.